

FEMP *Monthly Update*

FEDERAL ENERGY MANAGEMENT PROGRAM

JULY 2002

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The FEMP Monthly Update is available on the Internet at
www.eren.doe.gov/femp/resources/update.html

The ***FEMP MONTHLY UPDATE*** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the ***UPDATE*** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The ***FEMP MONTHLY UPDATE*** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), July 2002.

World oil prices fell in June but remain within OPEC's target range, averaging \$1.00 - \$1.50 per barrel less than May prices.

U.S. gasoline prices remain stable, averaging \$1.42 per gallon in June. On a weekly basis, average prices did not vary by more than three cents per gallon between the first week in April and the last week in June.

This year's U.S. demand for oil will likely remain in the same narrow range it has since 1999 — between 19.5 and 19.7 million barrels per day. In 2003, however, demand should increase by about 600,000 barrels per day, assuming economic growth and normal weather. EIA predicts that motor gasoline demand will rise by 2.5 percent, distillate fuel oil demand by 2.9 percent, residual fuel oil demand by 5.6 percent, and jet fuel demand by 7.2 percent.

Nuclear energy generation will be about 0.3 percent higher in 2002 compared to last year, and 2003 will likely see a more significant increase of about 2.2 percent above 2002 levels. Planned expansions at many operating units for 2002 and 2003 will result in increased capacity of more than 1,600 MW of electricity.

DID YOU KNOW?

Secretary Abraham has announced the Administration's plan to accelerate the rate at which the government fills the Strategic Petroleum Reserve for stockpiling emergency fuel by an additional 40,000 barrels per day.

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CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress adjourns at the end of July for their annual August recess.

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Comprehensive Energy Legislation

Congress continued to make progress on resolving non-controversial issues included in the House and Senate provisions of pending energy legislation. By July 25, negotiators revealed they had reached agreements on provisions in *S. 517* dealing with energy efficiency in Federal buildings and the Capitol complex of buildings, expansion of the Federal Energy StarTM program including increasing the acquisition of Energy StarTM products in Federal facilities, filling to capacity the Strategic Petroleum Reserve and the Northeast Home Heating Oil Reserve, and establishment of a Department of Energy Office of Indian Energy. To view the Senate language, refer to the FEMP Legislative Database (Senate bills) at www.eren.doe.gov/femp/resources/initiatives.html.

Conferees also adopted a number of provisions from *H.R. 4*, the House bill, including improvements to Corporate Average Fuel Economy Standards for Federal agency fleets by three miles per gallon by 2005 and increased funding for the Department of Energy's state grant programs. Refer to the FEMP Legislative

Database (House bills) at for details at www.eren.doe.gov/femp/resources/initiatives.html.

Following agreement on these provisions, Representative Joe Barton (R/TX), Chairman of the Subcommittee on Energy and Air Quality (Committee on Energy and Commerce) introduced

electricity utility restructuring language, which included large penalties for companies involved in round-trip sales of wholesale electricity.

While Congress is on recess during the month of August, staff will continue to negotiate differences between the two bills in order to clear the way for conferees to move on more controversial issues when members return in September. Conference Committee Chair, Billy Tauzin (R/LA) has said he wants to complete work on utility restructuring by September 9, and complete the conference committee's work by late September in order to move the bill to the House and Senate floors by mid-October.

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STATUS OF PENDING APPROPRIATIONS BILLS OF INTEREST TO FEMP

Status Only one bill, *H.R. 5011/S. 2709 - Military Construction* has cleared the House and Senate. Conferees are expected to be named and begin negotiations once Congress returns from a month-long summer recess. To date, the House has passed five of the 13 annual appropriations bills and the Senate has passed two bills (see [Attachment A](#)). All of the bills passed to date in the House and Senate exceed the President's FY 2003 budget request resulting in a reduction in the amount of funding available for the remaining bills. The House approved a spending limit of \$759 billion in compliance with the President's request, while the Senate approved a spending cap of \$768 billion. With three working weeks left in September for the fiscal year, Congress has several major authorization bills to pass including Homeland Security. Speculation continues to grow that a continuing resolution will be required to keep the government operational until the 13 appropriation bills are passed and signed into law by the President. Another option is passage of an omnibus bill to finance unresolved FY 2003 appropriations bills.

HOUSE

Agriculture, Rural Development, Food and Drug Administration, and Related

Agencies On July 26, the Committee on Appropriations approved *H.R. 5263*. The House report is pending. (To be summarized in the August 5 issue of *INSIGHTS: 107th Congress*)

Treasury, Postal Service, and General Government On July 24, the House passed *HR 5120*; provisions of interest include the following:

Department of the Treasury

Treasury Building and Annex Construction – \$32.932 million for repair and restoration

Secret Service Homeland Security and Law Enforcement Training Facility Construction – \$3.519 million

General Services Administration

Federal Building Construction – \$646.385 million (decrease of \$16.295 million below FY 2002)

Federal Building Repairs and Alterations - \$978 million (increase of \$109.153 million above FY 2002)

Rental of Space - \$3.153 billion (increase of \$201.161 million above FY 2002)

Building Operations - \$1.925 billion (increase of \$92.399 million above FY 2002)

Geothermal Heat Pumps – Committee believes the technology can provide significant economic benefit to a wide variety of major GSA construction projects and lead to a substantial reduction in use of fossil energy resources. Committee encourages GSA to more aggressively consider and evaluate geothermal energy technology in development plans for all major new projects.

Window (and Cable) Standards – Committee urges GSA to carefully review its facility standards with respect to security requirements and upgrade them appropriately. Committee is aware that new types and classes of materials for glass windows can help mitigate dangers, reduce injuries, and lessen structural damage and believes these materials should be considered for use in new construction projects as well as current buildings.

National Archives Repairs and Restoration - \$10.458 million for repairs and restoration of the National Archives and Presidential Libraries

SENATE

Agriculture, Rural Development, Food and Drug Administration, and Related Agencies On July 25, the Committee on Appropriations approved S.2801. Provisions of interest include the following:

Department of Agriculture

Buildings and Facilities (Operations and Maintenance) and Rental Payments to GSA - \$197.753 million

Agriculture Research Service Buildings and Facilities - \$100.955 million for construction, repair, improvement, etc.

Animal Plant and Health Inspection Service Buildings and Facilities - \$13.189 million for major nonrecurring construction projects

Food and Drug Administration

Buildings and Facilities - \$11 million for repairs, modifications, improvements, and construction to FDA Headquarters and field (including laboratory) facilities

Commerce, Justice, State, and the Judiciary The Committee on Appropriations completed the mark up of S. 2778. The bill includes the following provisions of interest:

Department of Commerce

National Institutes of Standards and Technology - \$63.750 million for the construction of research facilities

Department of Justice

U.S. Marshals Service - \$15.126 million for construction at U.S. Courthouses

Federal Bureau of Investigation - \$1.250 million for construction

Immigration and Naturalization Service - \$250,000 for construction of a INS processing and office facility in Alaska

Bureau of Prisons - \$500.221 million for construction, modernization, maintenance, and repair of prison and detention facilities

Energy and Water Development The Committee on Appropriations approved S. 2784 on July 24. Provisions of interest include the following:

Department of Energy

Renewable Energy Programs – \$448.062 million

- **Departmental Energy Management - \$3 million**
- Solar Energy - \$95 million (Solar Building Technology Research - \$12 million, PV Energy Systems - \$77 million, and Concentrating Solar Power - \$6 million)
- Wind - \$50 million
- Renewable Energy Production Incentive - \$5 million
- Geothermal - \$37 million
- Hydrogen Research - \$45 million
- Biomass/Biofuels Energy Systems - \$100 million
- International Renewable Program - \$6.5 million
- Renewable Program Support - \$6.059 million
- National Renewable Energy Laboratory - \$6.8 million (capital equipment, general plant projects, maintenance backlog, and construction)

Labor, Health and Human Services, and Education The subcommittee completed work on S. 2776 on July 22; the full committee mark up is pending. Provisions of interest include the following:

Department of Labor

Job Corps Center Construction - \$27.550 million

Health and Human Services

National Institutes of Health Construction - \$632.8 million

Transportation and Related Agencies The Committee on Appropriations approved S. 2808 on July 25.

Department of Transportation

New Headquarters Building – Committee considers this initiative premature and provides no funding despite the President's request for \$25 million

Veterans' Administration, Housing and Urban Development, and Independent Agencies Also on July 25, the Committee on Appropriations approved S. 2792. The bill includes the following provisions of interest:

Department of Veterans' Affairs

Major Construction Projects - \$193.740 million (increase of \$10.560 million above FY 2002)

Minor Construction Projects - \$210.7 million (decrease of \$200,000 below FY 2002)

Environmental Protection Agency

Buildings and Facilities - \$42.918 million

CONFERENCE REPORT

FY 2002 Emergency Supplemental Appropriations Congress approved a \$28.9 billion bill, H.R.4775, on July 23 (House) and July 24 (Senate) and has been sent to the President. The bill provides funding primarily for Homeland Security, which includes increasing the security (staff, physical structure) of Federal facilities. The President is expected to sign the bill.

NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- *There is no new legislation of interest to FEMP.*

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HEARINGS OF INTEREST OF FEMP

- See [Attachment B](#) – Hearings of Interest to FEMP

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FEDERAL AGENCY ACTIVITIES

DEPARTMENT OF ENERGY

The Department of Energy's (DOE) Northwest National Laboratory and Idaho National Engineering and Environmental Laboratory have joined together with Washington State University and the University of Idaho to form the Northwest Bioproducts Research Institute. This organization is tasked with bringing together industry, processors, growers, universities, and Federal laboratories to develop new methods for converting agricultural and food processing residue and wastes into bio-based energy and industrial products that are commercially viable. According to Washington State University President Lane Rawlins, the Institute will "contribute to the nation's desire to increase markets for agriculture and help reduce its dependence on imported petroleum. In the Northwest, the Institute will develop the technologies necessary to create a robust bioproducts and bioenergy industry." (Source: *Environmental News Link*, July 23, 2002)

The United Solar Systems Corporation inaugurated the world's largest thin-film solar cell manufacturing machine in Auburn Hills, Michigan, earlier this month, a development that is expected to increase solar cell production by 20 percent. The new manufacturing machine, one of the world's largest and most advanced, makes United Solar one of the largest producers of solar cells and related products in the U.S. At the plant's inauguration, Secretary of Energy Spencer Abraham congratulated United Solar saying "We at the Department of Energy and the National Renewable Energy Laboratory are particularly proud of your accomplishments and are honored to have worked with you on contracts that have resulted in achievement of world record efficiencies in amorphous silicon alloy solar cells and modules, the development of award winning products such as the solar roofing shingles, and the development of your unique proprietary roll-to-roll manufacturing process." (Source: *EarthVision Environmental News*, July 9, 2002)

The National Institute of Standards and Technology has released an updated version of its Building Life-Cycle Cost Program BLCC 5.1-02. This software program conducts economic analyses by evaluating the relative cost effectiveness of alternative buildings and building-related systems or components and is particularly useful in evaluating the costs and benefits of sustainable design strategies such as energy and water conservation and renewable energy projects. BLCC 5.1-02 is designed for the Windows operating system and is available for download from the Department of Energy's Federal Energy Management Program website at www.eren.doe.gov/femp/techassist/softwaretools/softwaretools.html.

The National Renewable Energy Laboratory (NREL) celebrated the organization's 25th anniversary on July 19. In remarks on the occasion, Secretary of Energy Spencer Abraham said:

For a quarter century, the Department of Energy and the nation have been fortunate to have this valuable research institution...and its dedicated staff, pursuing solutions to the nation's energy problems and helping strengthen our energy security. NREL has made many important contributions over the years, especially in reducing the costs and increasing the efficiency of renewable energy sources. So much of the progress we have made in these crucial technologies can be traced to the ground-breaking research and development work performed by NREL.

The National Renewable Energy Laboratory (NREL) issued a "letter of interest" solicitation to identify qualified organizations to perform research and development tasks associated with interconnecting and integrating distributed energy resources with electric

power systems. R&D will be conducted in concert with private industry, universities, among others. Contact William Algiene at 303-384-7423 for more information on Solicitation Number RAT-2-32616.

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ENVIRONMENTAL PROTECTION AGENCY

The Environmental Protection Agency (EPA) plans to develop guidance to assist Federal agencies in the acquisition of environmentally preferable products. **The focus will be on developing a “Green Construction Specifications” data resource, which will also be made available to the public.** This initiative is based on an earlier study sponsored by EPA to examine the feasibility of creating model green specifications language. For further information, contact Robert Krumhansl at 202-564-4791.

ATLANTA REGION

Utility/DSM Activities

Tyndall Air Force Base in Florida is seeking qualified Architectural and Engineering firms to provide support for utility systems revitalization and privation services along with engineering and analysis, facility design, and economic studies. Contact LaToya Brown at 850-283-2593 regarding Solicitation Number F08637-02-R-6002.

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BOSTON REGION

Utility/DSM Activities

The General Services Administration is seeking proposals to provide natural gas services for a number of Federal facilities operating in the local distribution utilities of Bay State Gas Company, Berkshire Gas, and Yankee Gas Company. For further information, contact Linda Collins at 202-501-4267 and refer to Solicitation Number GS-00P-02-BSC-0199.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

Utility/DSM Activities

DOE's Albuquerque Operations Office has announced plans to move forward with the Nevada Solar Dish Power Project at a DOE site in southern Nevada. The purpose of the initiative "is to provide a bridge from R&D to commercialization of solar dish technology." The goal is to build and test at least one MW or more of solar dish-engine systems in a power plant and to develop a project development, installation, and O&M system database. For additional information, contact Martha Youngblood at 505-845-4268 and refer to Solicitation Number DE-S04-02AL67972.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

General State Activities

BMW's manufacturing facility in Spartanburg, North Carolina, will soon utilize gas from the Palmetto Landfill to fulfill approximately 20 percent of its energy requirements. The gas will arrive at the facility via a 9.5 mile pipeline managed by Ameresco, Inc. and will be used to fuel up to four gas turbines that will cogenerate electricity and hot water for the facility. Once completed at the end of 2002, this will be one of the largest direct use projects of its type in North America. (Source: Ameresco Press Release, June 28, 2002)

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BOSTON REGION

General State Activities

Massachusetts Governor Jane Swift (R) recently created a new Sustainability Council to oversee efforts within state agencies to reduce greenhouse gas emissions, expand recycling efforts, purchase environmentally friendly products, and reduce mercury waste. According to Governor Swift, the Sustainability Council's efforts will improve upon the 1993 Clean State Initiative and allow the state to become a national model for energy savings and environmentally friendly practices. One major focus of the council will be to encourage greater utilization of green building technologies in construction and building rehabilitation projects throughout the state. (Source: *Worcester Telegram & Gazette*, July 24, 2002)

The State of Massachusetts has earmarked \$150 million to help spur districts to construct “green” schools that include energy efficient features and incorporate sustainable design.

Proposals for green schools that meet state approval can earn a two percent increase in state reimbursement funds. Schools may also seek funding from the Renewable Energy Trust, which recently awarded design and construction grants to school projects under development in Beverly, Salem, Somerville, Waltham, and Williamstown. The move represents a concerted effort by the state government to encourage development of public buildings that meet design and energy-efficiency standards set by the U.S. Green Building Council. (Source: *The Boston Globe*, January 15, 2002)

The New York Environmental Management Board approved a statewide incentive program earlier this month that will encourage the design and construction of buildings with greater energy efficiency and healthier indoor air quality. The incentive program provides tax credits of up to \$25 million to developers of buildings greater than 20,000 square feet, a seven percent credit of allowable costs if both base building and tenant space are “green” and a five percent credit if only one is “green.” (Source: *EDC Newslines*, July 2002)

Status of Utility-Related Activities

The State of Rhode Island passed legislation amending its electric deregulation law. The revised version permits municipal aggregation and supports renewable energy and customer-derived generation. (Source: *Rhode Island General Assembly Press Release*, June 13, 2002)

Effective July 1, 2002, the State of New Hampshire passed legislation aimed at developing a multi-pollutant reduction program that caps emissions at current levels and establishes a system of tradable energy credits that may be swapped between power generators. The legislation requires that the Department of Environmental Services establish a means of reducing emissions through the use of renewable energy and energy efficiency as well. (Source: www.gencourt.state.nh.us/legislation/2002/hb0284.html)

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CHICAGO REGION

General State Activities

The Wisconsin Division of Energy reports on a successful program to involve three Federal agencies located in the state to purchase compact fluorescent light bulbs (CFLs) in May and June of this year. Federal employees working in the Reuss Federal Building (Milwaukee) and the U.S. Forest Products Laboratory and the William S. Middleton Memorial Veterans’ Affairs Medical Center (Madison) are credited with purchasing over 10,000 EnergyStar™ CFLs in one day. Federal employees as well as other public and private sector employees purchased the fixtures as a result of a major outreach campaign, Focus on Energy. The Wisconsin Division of Energy sponsors the program in partnership with local hardware stores. For more information, refer to the agency’s web site at www.wifocusonenergy.com.

Illinois Representative Tim Johnson (R), a member of the Congressional Renewable Energy and Energy Efficiency Caucus, has pledged his support for renewable energy research and recently signed a letter espousing a “balanced, diverse, and clean energy policy” that was circulated to the Senate/House conference committee for HR. 4. Representative Johnson is

planning a news conference in August to discuss proposals that will benefit central Illinois economically and environmentally. (Source: *PR Newswire*, July 17)

Chicago's OWP/P Architects firm recently held its first Green Design Competition to recognize members' work in sustainable architecture and green design, development, and construction. The first award went to the Walgreen Company's 200 C+D Building, a project that "demonstrates a commitment to environmental design through an integrated design process with a thorough investigation of environmental strategies." (Source: *EDC Newsline*, July, 2002)

Status of Utility-Related Activities

The Ohio Consumers' Counsel (OCC) claims that, despite the 18-month course of electric competition in Ohio, competition is still "virtually nonexistent in Ohio today." The OCC blames the lack of competition on the fact that Ohio utilities do not belong to a single Regional Transmission Organization, which would ensure fair, open, and cost effective access to electricity, and on the fact that the state has a low "price to compare." While the Generation Resource Panel of the East Central Area Reliability Council forecasts that Ohio, Indiana, Kentucky, Michigan, and West Virginia will have a 6.8 percent larger electric supply compared to last summer, the OCC warns that Ohio is not making the strides to a healthy, competitive retail electric marketplace. (Source: *PR Newswire*, July 10, 2002)

A Midwestern photovoltaic yellow pages is being developed by the Iowa Department of Natural Resources. The directory will include information on PV system designers, installers, educational resources, financial incentives, interconnection and net metering, and PV manufacturers in the states of Iowa, Minnesota, Wisconsin, Illinois, Missouri, and Nebraska. For more information on the project, or to be included in the Yellow Pages, please contact Alex Moon at (515) 281-7018 or by email at alex.moon@dnr.state.ia.us.

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DENVER REGION

General State Activities

Houston's School of Nursing and Student Community Center is poised to become the "greenest" non-residential building in the city. The 200,000 square foot building is also aiming for gold status under the U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED) program. If the center attains this status, it will be the only building in Houston to have done so. The building will incorporate cement made from flyash, a by-product of coal-burning power plants, and rainwater will be collected and used for the toilets and for irrigation. The building will also feature a green roof, a photovoltaic system, demountable walls, and an energy-efficient lighting system. (Source: *The Houston Chronicle*, July 1, 2002)

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PHILADELPHIA REGION

Status of Utility-Related Activities

The District of Columbia Public Service Commission will allow customers to opt in to a municipal aggregation program for their electric service. Claiming that this approach is less expensive than requiring customers to opt out, the commission will simply add “municipal aggregation” to the existing list of alternate service providers from which customers may choose. (Source: *PUR Utility Regulatory News*, July 8, 2002)

Residents in Pennsylvania may benefit from a solar energy buy-back program organized by the Energy Cooperative Association of Pennsylvania by the end of the year. The energy supplier will buy back solar power from members at 20 cents per kWh. Eligibility requirements include metering capability and meeting the specifications developed for the Sustainable Development Fund’s Solar PV Grant Program. (Source: *Green Power Marketing Monthly Update*, June 2002)

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SEATTLE REGION

General State Activities

Los Angeles County contracted with Electric City Corporation’s EnergySaver™ technology to reduce lighting consumption by 20 - 25 percent. The county will accrue further savings because the EnergySaver™ allows lamps and ballasts to burn cooler and, therefore, reduce building cooling costs. Joe Marino, President of Electric City of California said of the contract, “LA County is a great example of government facilities using innovative energy conservation technologies to conserve energy and save tax dollars.” (Source: *PR Newswire*, July 8, 2002)

Portland, Oregon, City Commissioner Dan Saltzman recently announced the final approval of the first local version of the U.S. Green Building Council’s Leadership in Energy and Environmental Design rating system Portland LEED, as the local rating system will be called, tailors the national LEED standard to local building and development requirements while maintaining independent verification and official certification by the USGBC. Portland’s Office of Sustainable Development spearheaded the 18-month effort to develop Portland LEED. (Source: *Environmental Design + Construction*, July 25, 2002)

The Vote Solar Initiative, a San Francisco non-profit organization, recently kicked off a nationwide campaign to implement solar bond initiatives in 10 cities within the next two years in order to increase the demand for solar power while decreasing its cost. The initiative has already convinced voters in San Francisco to approve a \$100 million bond for solar energy projects. Seven million dollars of the bond project will be allocated towards installing a 688-kilowatt solar panel system on an area convention center. Other funds will go towards installing solar panels at the University Mound Reservoir. David Hochschild and Adam Browning, co-founders of the program, are currently in discussions with officials in San Diego, California; Honolulu, Hawaii; Portland, Oregon; Salt Lake City, Utah; and Denver and Boulder, Colorado to expand solar power usage in those cities. (Source: *Greenwire*, July 8, 2002)

A 99-home community dedicated to the principles of sustainable design is currently under development in Tucson, Arizona. The homes of Armory Park del Sol will adhere to strict

energy efficiency standards and feature thermal mass masonry walls, ductwork located within conditioned space, and windows designed to minimize heat loss or gain. Armory Park del Sol will also serve as a demonstration evaluation site to determine the cost-effectiveness and performance of innovative home design technologies. The National Association of Home Builders Research Center is conducting the tests as part of the Department of Housing and Urban Development's Partnership for Advancing Technology program. (Source: *EDC Newslines*, July 2002)

Status of Utility-Related Activities

All eligible low-income electric customers in the State of California will now automatically be enrolled in the California Alternate Rates for Energy program administered by the California Public Utilities Commission. The commission estimates that one million customers are eligible, in addition to those already registered. The impetus for the decision came after AARP (formerly known as the American Association of Retired Persons) championed legislation establishing a Low-Income Oversight Board in Congress that addressed this and other issues of interest to elderly Californians. (Source: PR Newswire, July 17, 2002)

The California Public Utilities Commission and the California Energy Commission are collaborating on a plan to improve the way electricity is measured, priced, and used. Primary consideration has been given to providing customers with meters showing real-time electricity information so that they can gauge their energy usage. California Energy Commissioner Art Rosenfeld commented on the efficiency of the new metering systems: "We can move beyond simple meters to an advanced communication system delivering information at the speed of the internet." Over the next ten years, the group hopes to provide all customers in California with access to advanced metering systems, rate structures, and technology that will allow them to gauge their energy use according to changing prices. Mr. Rosenfeld said "With the proper tools to respond to this information, consumers can help to moderate future price spikes and to increase service reliability." (Source: PR Newswire, July 17, 2002)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

The American Council for Renewable Energy (ACRE) was recently established to bring solar, wind, hydro, geothermal, biomass, biofuels, waste energy, and hydrogen energy systems into the mainstream of America's economy and lifestyle. The council will feature a membership of industry, education, government, professional services, media associations, nonprofit groups, and end users and will bring state and local groups together with national organizations. As a nonprofit organization, ACRE will do no lobbying but, instead, focus on communications and educational programs aimed at promoting all forms of renewable energy to targeted audiences and the general public. "Our nation has a tremendous on-going investment in renewable energy technologies," said Richard Truly, Director of the National Renewable Energy Laboratory. "ACRE will help us mobilize the country to put these outstanding innovations to work in our everyday lives by bringing together the many organizations and people needed to do this task." For more information on ACRE, visit www.AmericanRenewables.org.

The Commission for Environmental Cooperation released a report claiming that power companies have reduced expenditures on energy efficiency initiatives as a direct result of deregulation. Janine Ferretti, Executive Director, pointed to the fact that deregulation has caused uncertainty and risk for utilities and left them wary of investing in efficiency projects. “There needs to be some sort of effort to minimize those uncertainties and risks so that the behavior and pattern of companies is one that is consistent with meeting environmental outcomes.” Research conducted by the commission found that disbursement for energy efficiency measures by power companies decreased from \$2.4 billion in 1995 to \$1.4 billion in 1999. This trend caused pollution levels to rise over the same period. (Source: *Reuters*, July 17, 2002)

The Solar Electric Power Association awarded \$75,000 in grants for an innovative photovoltaic project to the City of Tucson and the Detroit Shoreway Community Development Organization in Cleveland. Tucson project developers installed two 20-kW photovoltaic systems at the Hayden/Udall Water Treatment Facility. The program will be used as a model for developing other projects and as a site for training classes in infrastructure development. The Cleveland project is a sustainable town-home development that has photovoltaic systems on its garage. Each home will incorporate sustainable design and energy efficient technologies. For more information on these projects, visit www.SolarElectricPower.org.

The National Governors Association released a report recommending the creation of multi-state entities that would solve environmental problems that arise from electricity generation and transmission. According to the “Interstate Strategies for Transmission Planning and Expansion” report, multi-state entities would “elevate the state role in regional planning and support a ‘one-stop’ regulatory process for regional lines.” The entities would facilitate communications between state and Federal stakeholders and fulfill the Federal Energy Regulatory Commission’s (FERC) effort toward increasing Regional Transmission Organization authority in regional planning. FERC Chairman Pat Wood said “I fully support the concept of a multi-state entity.... This voluntary process fully retains state authority, and requires each state to consider neighboring states’ needs so that regional solutions are developed.” (Source: *Environmental News Service*, July 16, 2002)

Electric Fuel Corporation recently contracted with the Army and Air Force Exchange Service (AAFES) for the procurement of INSTANT POWER™ chargers and batteries that allow users to recharge cell phones, digital cameras, or video camcorders without plugging into an electrical source. According to Electric Fuel President Yehuda Harats, the zinc air technology “‘no electricity needed’ features of our products...is an important new market segment...which we intend to develop alongside other defense-related markets.” (Source: *PR Newswire*, July 11, 2002)

Shaws Supermarkets, a large retail grocery store chain in the Northeast has contracted with Sun Power Electric to receive 2,000-kWh blocks of power derived from solar and landfill projects. The power will serve almost 25 percent of the grocery store’s electric needs. (Source: *Green Power Marketing Network*, June 2002)

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ATLANTA REGION

➤ *Public Benefits Programs*

Homes in Partnership (HIP) and Florida Power have teamed up to incorporate energy conservation measures into newly renovated homes for low-income tenants. A participant in Florida Power's Demand Side Management program, HIP will outfit 42 homes in the Wheatley Manor neighborhood with energy conservation technologies that will reduce energy costs by 30 percent. Bob Morehead, Vice President of Energy Delivery Services for Florida Power, said "This effort...fits Florida's Commitment to Excellence goals in that it ultimately reduces customers' prices for electricity, enhances the breadth of services we offer, and boosts available generation by increasing user efficiency." (Source: *PR Newswire*, July 22, 2002)

Flint Energies recently installed Georgia's first residential Plug Power fuel cell, which will provide heat and electricity to the electric cooperative's Service Center facility in the City of Warner Robins. According to Plug Power President and CEO Roger Saillant, the five-kilowatt fuel cell sale "to Flint Energies is important because it puts our system into a new area of the country with a new customer that will allow us to continue to learn and improve our system designs." (Source: *PR Newswire*, July 11, 2002)

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BOSTON REGION

➤ *Restructuring Activities*

On May 14-15, energy industry representatives met in New York to discuss new opportunities for emissions trading, renewable energy credits, and energy efficiency at the Green Trading Summit: Emissions, Renewables, and Negawatts. The forum provided participants with an opportunity to discuss how these markets are maturing and expanding and how they can provide "multiple investment advantages." Conference proceedings are available at www.energypromotion.net.

➤ *Public Benefits Programs*

The Long Island Power Authority recently launched a campaign promoting energy conservation on pizza boxes. The "Watts Going Down" program is helping to spread the word about reducing energy demand on Long Island. Michael Lowndes of LIPA said "Radio and television don't always get the job done...sometimes people zone out when commercials come on. But one thing everyone has in common is a love for pizza, and they'll order one or two this summer." Despite the extremely high temperatures forecast for the rest of the summer, the New York ISO predicts no electricity demand records will be broken. (Source: *Reuters*, July 17, 2002)

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CHICAGO REGION

➤ *Public Benefits Programs*

By 2011, five percent of We Energies electricity sales will be derived from renewable energy sources. To reach this goal, the Wisconsin utility will spend six million dollars per year and will heed the recommendations of the newly formed Renewable Energy Collaborative (REC). Elements of the plan include:

- Examining the use of tradable renewable energy certificates
- Initiating feasibility studies on innovative renewable energy development such as offshore wind development on Lake Michigan
- Developing a plan to use volume purchasing of modular renewable generation to lower the cost of We Energies customer-owned renewable systems

(Source: *PR Newswire*, July 8, 2002)

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DENVER REGION

➤ *Restructuring Activities*

Green Mountain Energy Company is now offering Texas electricity customers a locked-in per-kilowatt-hour rate in a 12-month contract in addition to its standard pricing plan. Both plans incorporate power generated from wind sources. Green Mountain Energy Company regional president Gillan Taddune explained the reason behind the new plan: "Extensive research has shown us that consumers are very eager to have price certainty when it comes to their electric rates. It is this demand that has led us to our new Reliable Rate Plan and marketing campaign." The energy provider is offering the following per kilowatt-hour rates for the Green Mountain Energy Reliable Rate Plan: TXU, 8.5 cents; Reliant, 9 cents, TNMP, 9.2 cents, CP&L, 9.1 cents. All customers will pay the standard customer service charge of \$4.95 per month. (Source: *PR Newswire*, July 23, 2002)

➤ *Public Benefits Programs*

Green Mountain Energy Company and Nuon Renewable Ventures collaborated on a solar facility in the Upper Kirby District in Houston, Texas, that will provide 43 kW of power. Funding for the project was provided by Big Texas Sun Club customers. Gillan Taddune, the Texas Regional President for Green Mountain said "This new, clean energy facility is a symbol of the growing interest Texans have in pollution-free electricity, since it is a direct result of our Big Texas Sun Club." (Source: *PR Newswire*, July 17, 2002)

Cielo Wind Power of Austin, Texas, recently announced it will construct a 240-MW wind farm in the west Texas town of McCamey. The wind farm, called the Noelke Hill Wind Ranch, will utilize 240 wind turbines and is scheduled for completion by September 2003. TXU Energy of Dallas has already agreed to purchase all of the energy produced at Noelke Hill for 15 years with an additional five-year option. (Source: TXU Energy Press Release, July 25, 2002)

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PHILADELPHIA REGION

➤ *Public Benefits Programs*

Thomas Jefferson University in Philadelphia will receive energy efficiency upgrades totaling \$3.4 million, which in turn will save the university \$600,000 in energy costs each year. Phase 1 of the project required the installation of metering information systems, replacing lighting, and expanding automated energy systems on campus. Phase 2, with an expected completion date of September 2002, will incorporate energy system upgrades at the Jefferson Hospital for Neuroscience, just off campus. Chuck Castine, President of Alliant Energy Integrated Services, the energy service company that provided financing for the project, said “The Jefferson project is a great example of the steps that facilities can take now to significantly reduce their energy use and benefit from immediate cost savings.... We expect to see more facilities turn to solutions like this as the energy industry continues in its chaotic state and price volatility remains an issue.” (Source: *PR Newswire*, July 18, 2002)

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SEATTLE REGION

➤ *Public Benefits Programs*

On June 5, the Bonneville Power Administration contracted an average 7.3 MW per year of wind power generated from the Klondike wind project in Oregon. Northwestern Wind Power priced the power at 3.5 cents per kilowatt hour for the 20-year project. Completed in December 2001, the 24 MW facility provides power priced “slightly better” than any other BPA wind purchase to date. (Source: *ConWeb*, June, 2002)

On June 4-5 in Portland, Oregon, speakers at the Windpower 2002 conference expressed concern for the absence of a renewable development mandate and the fact that regional IOU's have not embraced wind as publicly-owned utilities have. Oregon Governor John Kitzhaber (D) resolved to pursue a state-level wind energy production tax-credit if the Federal tax credit is repealed. According to BPA President Steve Wright, interest in wind production has surged due to improved technology and lower costs, abundance of open land, hedging against volatile power prices, and public support for renewables. Bonneville Environmental Foundation President Angus Duncan noted that green tags are an “established product” and that the green power market may reach 15 to 25 percent of the market. (Source: *Con Web*, June 2002)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

American Honda Motor Company has released the first fuel cell vehicle, the FCX, to receive the government emissions certifications “National Low Emission Vehicle” by the Environmental Protection Agency under Tier-2 Bin 1 and “Zero Emission Vehicle” by the California Air Resources Board. The FCX carries 41 gallons of hydrogen and has a range of 220 miles and a top speed of 96 miles per gallon. The FCX is modeled on the EV Plus, a battery-powered car that Honda began leasing to consumers in 1997. Honda is offering a limited lease

program to companies, government agencies, and other organization in the United States and Japan. (Source: *Greenwire*, July 25, 2002; *Associated Press*, July 25, 2002)

On July 19, the National Renewable Energy Laboratory (NREL) opened a new research facility designed to develop cleaner fuels for trucks and buses. NREL director Richard Trully said that research at the Renewable Fuels and Lubricants Research Laboratory will “make significant contributions to DOE’s heavy truck and renewable fuels programs.” DOE Assistant Secretary for Energy Efficiency and Renewable Energy David Garman added that the endeavor will help to reduce the nation’s reliance on foreign energy sources. (Source: *NREL Press Release*, July 16, 2002)

The Department of Energy (DOE) has awarded \$4.6 million to support alternative fuel vehicles and infrastructure in 24 states and the District of Columbia. The competitive grant award attracted 135 proposals to fulfill the purpose of building local markets for alternative fuels and vehicles in 55 communities participating in DOE’s Clean Cities program. Grantees will purchase and deploy alternative fuel vehicles and buses, develop refueling stations and infrastructure, and develop alternative fuel vehicle platforms. Additionally, \$807,403 in grants were issued to establish 20 public and private E85 fueling stations in Delaware, Minnesota, New York, Wisconsin, Florida, Ohio, and North Dakota. (Source: Department of Energy Press Release, June 28, 2002; National Ethanol Vehicle Coalition Press Release, July 2, 2002)

Electric Fuel Corporation’s fuel-cell-powered, all-electric hybrid bus attained a range of 127 miles on one fueling in urban fueling conditions. The bus is a full-size, zero-emission 40-foot bus with a 20-ton gross weight, including passengers and all standard bus features. The high range is attributed to the addition of ultra capacitors increasing the range 25 percent, from 101 to 127 miles. (Source: *CALSTART News Notes*, July 19, 2002)

The FASTM Bus, a hybrid-electric bus designed for airport shuttle and transit service has been developed in record setting time, 90 days from first meeting prototype. TransTeq built the heavy-duty hybrid platform. Ford manufactured the 4.2-liter propane-fueled engine, which charges a bank of 28 lead-acid batteries to power electric drive motors. Energy is captured while idling, and the system eliminates particulate emissions for battery-only, zero-emissions operation. The drive axle, a 10.5-inch PowerLite axle with PowerDense technology components, was designed by American Axle and Manufacturing Holdings. (Source: *CALSTART News Notes*, June 28, 2002; *CALSTART News Notes*, July 16, 2002)

The United States ethanol industry produced a record amount of ethanol for the month of June, with 124,000 barrels produced per day, a 13-percent increase from the June 2001 record. With 63 plants producing ethanol, 4.6 billion gallons of ethanol can be made. The 14 ethanol plants under construction will contribute 460 million gallons to the output. (Source: Renewable Fuels Association, July 24, 2002)

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ATLANTA REGION

AFV Fleet Acquisitions

Florida’s Department of Environmental Protection (DEP) has purchased 19 gas -electric hybrid vehicles to use in six DEP districts. The Toyota Prius hybrid will generate a fuel

savings estimated at \$6,000 over the life of each car, when the price of a gallon of gas is calculated at \$1.23 per gallon. DEP plans to keep the hybrids for ten years. (Source: Florida Department of Environmental Protection, July 12, 200)

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

No news of interest in FEMP.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

New Products and Services

ExxonMobil, along with BP, Shell Oil Products, and Phillips, has instigated an early MTBE phase-out and replacement with ethanol in California that will beat the current deadline of the end of 2003 for eliminating MTBE. ChevronTexaco is the only major refiner left to commit to an early switch. California's switch to ethanol is expected to create a market for 500 million gallons of ethanol in California next year. (Source: Renewable Fuels Association, July 11, 2002; *EREN Network News*, July 17, 2002)

ZAP, working in conjunction with Global Electric Motors, LLC, a DaimlerChrysler Company, has begun renting neighborhood electric cars. These cars are designed for short trips in urban areas, planned communities, commercial zones, or tourist districts where speed does not exceed 25 miles per hour. There are several incentives to participate in the rental program, including a 10-percent Federal tax credit. (Source: PR Newswire, July 15, 2002)

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MEETINGS, CONFERENCES, AND TRAINING **WORKSHOPS**

- Refer to [Attachment D](#) – Calendar of Upcoming Events.

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

The Strategic Research Institute is sponsoring a conference, Stationary Fuel Cells, on September 30 to October 1 in Boston. Topics include Federal Financial Assistance, Climate Change Fuel Cell Program, Commercialization of Fuel Cells, and Remote Fuel Cell/Photovoltaic Hybrid Systems. To register, go to www.srinstitute.com/CR231.

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CHICAGO REGION

***Energizing America's Cities: Developing Sustainable Energy Solutions* will take place September 19-20, 2002, in Chicago, Illinois.** The conference will feature new clean energy and environmental systems technologies, best management practices, and planning resources for the development of sustainable metropolitan communities. For more information and to register, visit www.gastechnology.org/pub/aboutgri/2000ar/eac/eacindx8.htm.

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

The Association of Energy Engineers is sponsoring a seminar, Real-Time Energy System Integration, on September 19-20 in Baltimore, Maryland. Topics include Real-Time Energy Environment, Real-Time Facility Automation, Internet Tools and Energy Projects, and System Integration. For more information, go to www.aeecenter.org.

The Sustainable Washington Alliance is sponsoring Smart Design Forum 3 on October 3-4 in Washington, DC. Topics will include Valuation, Best Practices, Lessons Learned, Productivity, and Green Building. For more information and registration, go to www.swampnet.org.

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SEATTLE REGION

The Center for Business Intelligence is sponsoring a conference, Renewable Energy, on November 7-8 in Oakland, California. Topics will include 11 case studies from energy companies that have diversified their generation portfolios. For more information, go to www.cbinet.com.

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STUDIES, REPORTS, AND ANALYSES

ALTERNATIVE FUELS AND VEHICLES

Conserving Energy and Preserving the Environment: The Role of Public Transportation, American Public Transportation Association, July 17, 2002.

This study by three economists, Dr. Robert Shapiro, Managing Director of Sonecon, LLC, and non-resident Fellow of the Brookings Institution and the Progressive Policy Institute; Dr. Kevin Hassett, Resident Scholar of the American Enterprise Institute; and Dr. Frank Arnold, President of Applied Microeconomics, Inc., determined that public transportation generates 95 percent less carbon monoxide, 92 percent less volatile organic compounds and about half as much carbon dioxide and nitrogen oxide per passenger mile as one-passenger vehicles. Increasing public transportation is the most effective, and possibly the only, way to improve air quality and reduce energy consumption, without imposing new taxes, government mandates, or regulations. To view a full copy of the study, visit www.apta.com or www.publictransportation.org.

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UTILITY-RELATED ISSUES

LDC Supply Portfolio Management During the 2001-2002 Winter Heating Season, American Gas Association, July 2002.

The report provides information from 32 natural gas utilities on their gas delivery options last winter and how utilities procure and manage supply. The report revealed that, as a result of hedging gas supply and maintaining adequate supply, utilities were able to shield customers from large increases in natural gas prices. According to AGA Managing Director of Policy Analysis Chris McGill, "Most of the companies that responded to this year's survey say they plan to hedge the same amount or even more of their gas supplies for the upcoming winter."

Texas Power Markets: Restructuring/Competition Report, Energy Promotion.net, July 2002.

The report provides an overview of the electric market in Texas, including legislative information, economic environment, ERCOT rules, market analyses and market participation requirements. For further information on the report, visit www.EnergyPromotion.net or call 303-369-3533.

Demand Response Programs, Energy Info Source, July 2002.

The report provides overviews and examples of different types of demand response programs including direct load control, interruptible load, curtailable load, time-of-use, real-time pricing, and demand bidding and buyback. For more information, call 703-641-0613.

Restructured Electricity Markets: California Market Design Enabled Exercise of Market Power, General Accounting Office (GAO), July 2002.

The General Accounting Office found that electricity prices escalated during 2000-2001 in Western states because market players relied heavily on spot market transactions and were susceptible to the freezing of customer retail rates. The report concluded that “wholesale electricity suppliers exercised market power by raising rates above competitive levels.” To download the report, visit www.gao.gov and access report number GAO-02-828.

Energy Markets: Concerted Actions Needed by FERC to Confront Challenges That Impede Effective Oversight, GAO, June 2002.

GAO reports that the Federal Energy Regulatory Commission (FERC) needs to revise its regulatory and oversight approach in light of the transition to competitive energy markets. GAO lists several specific areas that FERC needs to address. To read the report in full, go to www.gao.gov and download report GAO-02-656.

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CLIMATE CHANGE

Designing a Climate-Friendly Energy Policy: Options for the Near Term, Pew Center on Global Climate Change, July 24, 2002.

The authors name four U.S. energy policy objectives and offer options for near-time, “climate-friendly” solutions. The key elements include increasing natural gas use and production; developing renewable and more-efficient energy technologies; developing more efficient vehicles, buildings, and industry processes; and research and development of non-fossil fuels and carbon sequestration. Federal Energy Management Advisory Committee Member Shelly Fidler was a co-author of the full report, which can be found in its entirety at www.pewclimate.org.

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MISCELLANEOUS

***Department of Defense: Most Recruit Training Barracks Have Significant Deficiencies*, GAO, June 2002.**

The GAO found that most Department of Defense (DOD) basic training barracks have persistent repair problems due usually to inadequate maintenance. The most common problems were inadequate heating, ventilation, and air conditioning, along with plumbing-related problems. To view the full report, go to www.gao.gov and search for report GAO-02-786.

***Military Housing: Management Improvements Needed As the Pace of Privatization Quickens*, GAO, June 2002.**

Under a new program allowing DOD to contract out its housing construction and maintenance needs to private firms, GAO found that DOD guidance showing that the process was saving the government money was inadequate and suggested steps to improve evaluation. For the full report, go to www.gao.gov and search for report GAO-02-624.

Natural Resources Year in Review – 2001, the National Park Service, July 2002.

This report addresses various challenges, strategies, accomplishments, and advancements related to natural resource stewardship in the National Park System. The report addresses, among other topics, the Natural Resource Challenge, the role of partnerships in scientific success, and *Rethinking the National Parks for the 21st Century*, a National Park System Advisory Board report. To view a full copy of the report, go to www.nature.nps.gov/pubs/yir/yir2001.
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ATTACHMENT A FY 2003 APPROPRIATIONS CHART

(In Billions)

HOUSE

SENATE

<i>Jurisdiction/ FY 2003 Budget Request</i>	<i>302(b) Allocation ns/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>	<i>302(b) Allocation s/Approve d Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>
Agriculture \$17.051	\$ 17.601	HR 5263	7/11	7/26		\$ 17.980	S 2801	7/25		
Commerce \$ 40.333	\$ 40.726	-	7/18			\$ 43.475	S 2778	7/18		
Defense \$356.598	\$354.7	HR 5010	6/24	6/27		\$ 355.1	-	7/18	Week of 7/29 or Sept.	
Energy and Water Development \$251.149	\$ 26.027	-				\$ 26.300	S 2784	7/24	Sept.	
Interior \$18.953	\$ 19.8	HR 5093	7/9	7/17		\$ 19.35	S. 2708	6/27	Week of 7/29 or Sept.	
Labor / HHS \$129.902	\$129.902					\$133.988	S 2766	7/18		
Military Construction \$ 9.541	\$ 10.083	HR 5011	6/24	6/27		\$ 10.622	S 2709	6/27	7/18	
Transportation \$ 19.851	\$ 19.411	-				\$ 21.1	S 2808	7/25		
Treasury \$ 17.960	\$ 18.501	HR 5120	7/9	7/24		\$ 18.501	S 2740	7/16		
VA/HUD \$ 92.518	\$ 91.841	-				\$ 91.434	S 2797	7/25		
Total 302(b) Allocations/ FY 2003 Budget Request \$748.141										

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ATTACHMENT B

HEARINGS OF INTEREST TO FEMP

HOUSE – APPROPRIATIONS

There are no hearings of interest to report.

HOUSE – AUTHORIZATIONS/OVERSIGHT

There are no hearings of interest to report.

SENATE – APPROPRIATIONS

There are no hearings of interest to report.

SENATE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/Location
<i>July 30 –</i> Committee on the Environment and Public Works <i>(NEW)</i>	James Jeffords (I/VT)	<i>Hearing –</i> Department of Transportation's Congestion Management and Air Quality Improvement program (includes use of clean transportation fuels)	Representatives from the Federal Highway Administration, Environmental Protection Agency, Vermont Agency of Natural Resources, California Air Resources Board, among others	9:30 a.m. Room 406 Dirksen Office Building

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

There are no conference committee negotiations or floor votes of interest to report.

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ATTACHMENT C **NEW TECHNOLOGIES**

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
POWER SOURCES			
PowerView Semi-Transparent Photovoltaic Module	National Renewable Energy Laboratory and BP Solar	Serves as a roof or window while creating power for a building	www.nrel.gov/hot-stuff/press/2002/2502_nrel_wins_award.html
CHILLERS			
P0811 Portable Air Conditioner	Sanyo Air Conditioning	Maximizes energy efficiency to improve air circulation in poorly ventilated environments	www.sanyohvac.com
PowerSaver® HS21 Air Conditioner	Lennox International	SEERs ranging from 11.40 to 15.75; enhanced coil guard and outdoor coil contribute to efficiency	www.lennoxinternational.com
Tempstar 12 Model Air Conditioner	International Comfort Products	12 SEER; some models can achieve 13 SEER when matched with variable-speed air handler or furnace	www.tempstar.com
HEATERS			
Pinnacle™ Gas-Fired Boiler	Peerless Heater Co.	Control board modulates boiler's firing rate to match a building's heating needs; 92% AFUE qualified for Energy Star™ rating	www.peerless-heater.com
PowerSaver® HP21 Heat Pump	Lennox International	SEER from 12 to 16.15; enhanced coil guard and outdoor coil contributes to efficiency	www.lennoxinternational.com
Premier E Comfort System	WaterFurnace	Uses R410, a refrigerant, to boost efficiency and performance; saves up to 60% in energy costs compared to ordinary systems	www.waterfurnace.com/PremierE.shtml

Technology	Manufacturer	Manufacturers Claim	Contact
Z-Vent III Special Gas Vent System	Z-Flex Inc.	Designed for high-efficiency furnaces	www.z-flex.com
LIGHTING			
QL Lamp System	Philips Lighting Co.	Delivers 100,000 hours of white light	www.lighting.philips.com/feature/ql/index.php
350-watt Constantcolor™ CMH SPXX	General Electric	Superior energy efficiency compared to similar products	www.gelighting.com
Dim-All Dimmer Switch	Maxlite	Dims any lamp type from 100%-30%	www.maxlite.com
Dim-Max Dimmable CFL	Maxlite	Continuous dimming from 100% -20%	www.maxlite.com
Dimming Florescent Ballast System	Maxlite	Continuous dimming from 100% -0%	www.maxlite.com
Compact Florescent Lamps (Pin Base)	Maxlite	Up to 75% energy savings; up to 10,000 hours lifespan	www.maxlite.com
106-842107E2-SS Stainless Steel Interior/Exterior Wall Mounts	Besa Lighting	Constructed with HPF electronic ballast for two 18W Quad fluorescent lamps to allow savings through reduced energy consumption and maintenance cost	www.besalighting.com
Motion Activated Night Light	The Designers Edge	3,000 hour bulb life; UL and CUL listed	www.designersedge.com/whatsnew.html
MR11&MR16 Metal Halide Lamp	PEC Lamp	2 to 3 times more efficient than halogen with comparable brightness	www.peclamp.com/new_mh.htm
Halogena Indoor Floodlight and Spotlight reflector	Philips Lighting	Lasts up to 50% longer than standard incandescent reflectors	www.lighting.philips.com/nam/feature/halogena/indoor.shtml
ES-series CFLs	Landlite	Industry-leading lumen efficiency and lifetime	www.landlite.com/CELONA%20Web/Web%20Pages/CELONA_New_Products_Review.htm
Compact Fluorescent Flood Light	Landlite	Uses 18W or 27W compact fluorescent lamps as light source; saves up to 70% energy costs; 10,000 hour lifetime	www.landlite.com/CELONA%20Web/Web%20Pages/CELONA_New_Products_Review.htm
F29T8 Watt-Miser® UltraXL Fluorescent Lamp	General Electric	Reduces energy consumption by 11%; extended-life; TCLP-compliant	www.gelighting.com/na/home/index.html

Technology	Manufacturer	Manufacturers Claim	Contact
E-428 3-Way CFL	The Designers Edge	8,000 hour life; 75% energy savings over incandescent lamps	www.designersedge.com
Mini Spiral 3W 120V Compact Fluorescent Lamp	Tospo Lighting Company Limited	Long life; high power factor	www.tospolighting.com
GE Tetra LED Channel Lighting System	GELcore	Provides a low-voltage alternative to neon equivalent in brightness; reduces energy and maintenance costs	www.gelcore.com/markets/channel_letter/index.asp
Hex Monochromatic High Performance LED Module	NorLux Corporation	Maximum light output and superior thermal management	www.norluxcorp.com
MH2 Series Lighting	Juno Lighting Inc.	Offers energy efficiency, long life, high light output	www.junolighting.com/
CFL Springlamp System	Technical Consumer Products Inc.	Energy efficient	www.tcpi.com
Aliante Pendant 4' and 5' T5HO Linear Fluorescent Fixtures	Ivalo Lighting	95% efficiency	www.ivalolighting.com
ColorBlast® 6 Indoor/Outdoor LED Wallwasher	Color Kinetics Inc.	Consumes little power; generates minimal heat	www.colorkinetics.com/
Source Four HID PAR	Electronic Theatre Controls Inc.	Energy efficient, long-life (12,000-hour), and low maintenance	www.etcconnect.com
Salem Luminaire with Induction Lamp and Ballast System	GE Lighting Systems Inc.	Longer lamp life of 100,000 hours	www.ge-lightingsystems.com
Fiber Optic Downlighting System	Fiberstars, Inc.	Energy savings of up to 80%	www.fiberstars.com/commerical_lighting/products_and_installation/installation/featured_products/index.html
Glo Brite Photoluminescent Exit Signs	Jessup Manufacturing Company	Listed to UL 924; meets NFPA Life Safety Code 101	www.jessupmfg.com/7500.htm
CX7170GSD LED Exit Sign	Sure-Lites	Energy Star™ listed	www.cooperlighting.com/brands/sure-lites

Technology	Manufacturer	Manufacturers Claim	Contact
Projector Reflector	LexaLite International Corporation	90% plus efficiency; 25% to 40% higher horizontal illuminance	www.lexalite.com
DALI Controls for Dimmable Digital Electronic Fluorescent Ballasts	Hunt Dimming	Linear lighting control from 100% to 5% of rated lumen output	www.huntdimming.com/dali.html
Dual Reflector DRS High Bay Fixture	Stingray	Uses an economical sliding mechanism to raise and lower inner reflector to adjust it relative to the lamp	www.stingraylighting.com/drs.html
Stealth HID Track Wall Liter	Con-Tech Lighting	Energy saving lamp source with 15,000 hour average life	www.con-techlighting.com/whatsnew.asp
Drama Series Track Fixtures for Efficient Metal Halide PAR Lamps	Con-Tech Lighting	Efficient operation	www.con-techlighting.com/whatsnew.asp
Meso X1 Luminous, Louver-less Direct-Indirect System	Ledalite	Single T5 HO lamp offers energy-efficient illumination	www.ledalite.com/products/meso/index.html
GTD Generator Transfer Device	Bodine	Powers existing fluorescent fixtures for egress lighting; UL listed	www.bodine.com/products/specs/gtdspec.htm
5-watt Luxeon Star	LumiLeds Lighting	Superior coupling efficiency into secondary reflector optics	www.lumileds.com/newsandevents/newsindex.html?page=http://www.lumileds.com/newsandevents/releases/press04-14-02.htm
ENERGY MANAGEMENT TOOLS			
Paralleling Switchgear	Encorp	Peak-shaving control system allows the generator to operate only when the utility is available	www.encorp.com/
ACH 400 Adjustable-Speed HVAC Drives	ABB	Relay outputs with programmable time delay and separately programmable on and off levels; speed and on/off controls from single analog input	www.energyusernews.com/CDA/ArticleInformation/products/BNPPProductItem/0,2589,79476,00.html
Paralleling Switchgear	Kohler	Transforms standby generator set into an energy management tool	www.kohlerpowersystems.com/onsite/switchgear.html
PowerWatch Voltage Disturbance Recorder	Eaton	Detects surges, sags, spikes, frequency variations, and outages	www.powerquality.com/ar/power_new_products_33/

Technology	Manufacturer	Manufacturers Claim	Contact
DataMessenger Wireless Monitor	Detroit Diesel Spectrum	Provides alert of generator power disturbance	www.spectrumgenerators.com/
SPIPE	Elite Software	Computes optimal pipe sizes for hot and cold water supply systems in residential and commercial buildings	www.elitesoft.com/web/plumbing/elite_spipe_info.html
pDR-1000AN(tm) Airborne Particulate Monitor	Thermo Anderson	Uses a sensor to run HVAC equipment only when needed	www.esmagazine.com/CDA/ArticleInformation/products/BNPPProductItem/0,2508,79848,00.html
Falcon Remote Monitoring Device	RLE Technologies	Allows users to check equipment and site status via Internet	www.rletechnologies.com/
DRH122 Thermo-Hygrometer Pen	Cooper Instrument Corp.	Checks temperature and relative humidity readings	www.cooperinstrument.com
Packaged Pumping and Control Systems	Tigerflow	Full-system integration of controls, mechanical, and EMS interfaces	www.tigerflow.com/
QuestSuite® Professional (QSP) Data Management Software Program	Quest Technologies Inc.	Records, reports, charts, and analyzes occupational and environmental exposures to environmental hazards	www.quest-technologies.com
Enersave Program	Purafil, Inc.	Reduces outside air requirements in commercial buildings while complying with ASHRAE 62's IAQ Procedure	www2.purafil.com/public/pdf/Enersave%20release.pdf
FST100 Network Connection Tool	Alerton	Performs point-to-point checkout and directly monitors and controls BACtalk system operations	www.alerton.com/products/
HomeTouch Retrofit System	LiteTouch, Inc.	Controls lights via existing wiring system	www.litetouch.com/main.html
RadioLink Lighting Control and Automation Technology	Vantage Lighting Control & Automation Systems	Replaces existing wall switches to automate lighting, audio/video, draperies/blinds, security, heating/cooling	www.vantagecontrols.com/rf/index.html
Intelligent Power Pack	Lighting Control & Design Inc.	Integrates occupant sensing, daylight harvesting, manual control, and HVAC into single programmable package	www.lightingcontrols.com
ATOM Addressable Track System	Lightolier	Allows individual dimming control and lighting effects	gemini.genlyte.com/LOL_Catalog/jsp/LOL_Catalog.jsp?DCATREL=5541&CATREL_ID=5541&CAT_ID=2678&BLK=N&CAT_NAME=ATOM+Addressable+Track+System&PARREL_ID=1946

Technology	Manufacturer	Manufacturers Claim	Contact
MYzerSTART	MYTECH Corporation	Reduces peak electricity demand 42% by staggering fixture start times	www.lightswitch.com
Task-Rite Line of DALI Compatible Modular Lighting Controls	Starfield Controls Inc.	Multi-station dimming, scene programming, and snap-together wiring system	www.starfieldcorp.com
winDIM@net Lighting Control Software	Tridonic Inc.	Includes individual occupant control, standard lighting control functions, and the ability to log luminaire operating levels and failure status	www.tridonic.com
WA-200 Automatic Wall Switch	The Watt Stopper Inc.	Automatically adjusts and optimizes settings based on usage patterns, providing reliable, efficient operation	www.wattstopper.com
Value Light Version 2.0	GE Lighting	Allows a comprehensive analysis of multiple lighting systems; reports investment, operating expenses, savings, and payback	www.gelighting.com/na/home/index.html
AGI32 v1.50 Lighting Design Software	Lighting Analysts Inc.	Bridges the gap between computational programs and rendering programs with surface texturing, intelligent adaptive surface subdivision, automated symbol selection, and enhanced pseudocolor displays	www.agi32.com/Support/Feature_Highlight/fh_1dot5.htm
Critique Diagnostic Tester	GE Lighting Systems Inc.	Performs luminaire troubleshooting to save time and money	secure.ge-lightingsystems.com/gels01/gelshome.html
PowerGate Intelligent Lighting Management System	Ultrawatt Energy Systems	Provides high energy savings, flexibility, power monitoring, energy measurement and improved power quality	www.aboutlightingcontrols.org
Super Dual Tech Lighting Control	Novitas®	Differentiates between human motion and airflow, avoiding false activation and maximizing energy savings	novitas.com/News/NewProducts/NewProductsDualTech_index.htm
SuperSwitch® 2 Automatic Light Switch	Novitas®	Cuts lighting energy usage by as much as 30% during peak hours, 90% off-peak	novitas.com/News/NewProducts/SuperSwitch%20.htm
High Bay Sensor	Novitas®	Self-adjusts in real time to constantly optimize performance, minimizing lights being switched on unnecessarily	novitas.com/News/NewProducts/hi%20bay.htm

Technology	Manufacturer	Manufacturers Claim	Contact
HB High Bay Occupancy Sensor	The Watt Stopper	Passive infrared sensor turns lights on and off based on occupancy	www.aboutlightingcontrols.org/products/wattstopper-20020712.html
MOTORS			
X\$D Ultra Extra Severe Duty Motor	General Electric	Class H insulation components for better thermal resistance and a lower running temperature for longer life and more efficient fans	www.geindustrial.com
SmartMotors®	Baldor	Built-in dynamic braking for faster stops and quicker cycle times	www.baldor.com/news/new_products.asp?id=266
MISCELLANEOUS			
TC2700 Ultracapacitor	Maxwell Technologies	Meets energy storage requirements of the transportation and industrial markets	www.maxwell.com
Spiral Ductwork Diffuser	Hart & Cooley Inc.	Allows direct mounting to round metal ductwork; eliminates the need to construct and attach separate mounting assemblies; allows precise fit and efficient performance	www.hartandcooley.com
Vehicle Management Information (VMI) Fleet Management System	Minorplanet USA	Monitors vehicle speed, stops and starts, and adherence to predetermined route	www.minorplanetusa.com/
RS-3 Air Cleaner System	Environmental Dynamics Group	Uses patented high-efficiency Dynamic Air Cleaners; avoids pressure drop and high operating costs associated with traditional high-efficiency alternatives	www.dynamicaircleaners.com

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ATTACHMENT D **MEETINGS, CONFERENCES, AND OTHER** **EVENTS**

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

DATE	EVENT	SPONSOR
October 9-11, 2002	World Energy Engineering Congress Atlanta, GA	Association of Energy Engineers

BOSTON REGION

DATE	EVENT	SPONSOR
July 24-25, 2002	Business Venture Forum for Emerging Distributed Resources Technology Companies Boston, MA	Electric Power Research Institute
July 24-26, 2002	Fundamentals of Buying and Selling Energy Boston, MA	Association of Energy Engineers
September 30 – October 1, 2002	Stationary Fuel Cells Boston, MA	Strategic Research Institute

CHICAGO REGION

DATE	EVENT	SPONSOR
July 22-25, 2002	FedFleet 2002 Kansas City, MO	Federal Fleet Policy Council and GSA
August 19-23, 2002	Cogeneration Technology Madison, WI	University of Wisconsin
September 19-20, 2002	Energizing America's Cities: Developing Sustainable Energy Solutions Chicago, IL	www.gastechnology.org

DATE	EVENT	SPONSOR
Fall 2002	International Conference on the Future of Energy Transportation Technologies Detroit, MI	Department of Energy

DENVER REGION

DATE	EVENT	SPONSOR
July 29-August 1, 2002	2002 State Energy Program/Rebuild America National Conference New Orleans, LA	Department of Energy
August 1-2, 2002	American Public Power Association Utility Education Course: Restructuring/Competition Update: Lessons Learned from California Snowmass/Aspen, CO	American Public Power Association
November 13-15, 2002	Green Building International Conference and Exposition Austin, TX	U.S. Green Building Council

PHILADELPHIA REGION

Date	Event	Sponsor
September 19-20, 2002	Real-Time Energy System Integration Baltimore, MD	Association of Energy Engineers
September 25-27, 2002	20th Annual Hart's World Fuels Washington, DC	Hart World Fuels
September 27-October 5, 2002	Solar Decathlon Village Washington, DC	Department of Energy
October 3-4, 2002	Smart Design Forum 3 Washington, DC	Sustainable Washington Alliance

SEATTLE REGION

DATE	EVENT	SPONSOR
June 30-July 5, 2002	Ninth International Conference on Indoor Air Quality and Climate Monterey, CA	International Academy of Indoor Air Sciences
August 18-23, 2002	Teaming for Efficiency Pacific Grove, CA	American Council for an Energy Efficient Economy

DATE	EVENT	SPONSOR
November 7-8, 2002	Renewable Energy Oakland, CA	Center for Business Intelligence

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